



the ILLINOIS ENGINEER



FRANK EDWARDS ACCEPTS PRESIDENTIAL CHALLENGE FROM A. W. NEUREUTHER

THE ILLINOIS ENGINEER,
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ILLINOIS SOCIETY OF PROFESSIONAL ENGINEERS, Incorporated

Affiliated with the National Society of Professional Engineers

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PRESIDENT'S MESSAGE

"Future of ISPE"

By FRANK W. EDWARDS

What about the future? Someone said, "all should be interested in the future as we must spend the rest of our lives there."

No longer should we in ISPE concern ourselves with the past except for guidance. We can proceed only from where we are today.

Where are we? Approximately 2100 members are on our state roster from a reservoir exceeding 10,000 prospective members. Some members are enthusiastic, others comprehensive, many apathetic. Sixteen chapters cover the state. Less than this number are active. Ideas abound but time, money, and effort are needed.

Where are we? At 72 years of age we are barely getting started. As part of NSPE with nearly 50,000 members we are surrounded by more than 100 other engineering societies, some friendly, some openly hostile, none permitting completely the professional functions we promote exclusively.

Where are we? A doctor recently remarked, "about the same place the medical profession was 50 years ago." Whether we agree or not with this statement the evidence seems clear that today we are far behind the medical profession on the economics and prestige standpoint.

What about the future? It depends on you, you and I, and others like you who must become members.

To quote from a colleague, "Gentlemen, we have a profession to build. The benefits we enjoy today are the results of the efforts of bygone engineers. If you dislike our heritage, it is because many of those who preceded us permitted an apathetic spirit to govern their lives. By the same token, future engineers will bless or berate our generation in proportion to the heritage we leave them. We have a responsibility, each of us. I trust that the members . . . will dispel this apathy and . . . contribute to the activities . . ."

We must use our energies and our time efficiently if we are to raise the standards of our profession. We must reduce the time and effort spent on problems unrelated to professional advancement in order to devote more effort to improving education, ethics, employment conditions, interprofessional relations, public relations and other important matters. The public as well as the engineer must be made to realize that adequate compensation is a necessity for highest quality of professional service, and we should be interested only in highest quality.

At the annual convention in Decatur last month changes were authorized in the Bylaws of the Society which set the stage for efficient and effective administra-

tion of committee activities. Standing committees were placed for administrative purposes in three groups; professional, public relations and operations. Each is headed by an Assistant to the President or by the Vice President, all of whom are members of the Executive Committee of the Board of Direction. These people will help coordinate the work of the committees in each group.

An outline of duties for guidance of the committees also was approved. Further the standing committees were given power to establish subcommittees to carry on work in specific areas.

The organization structure is established. It provides for distribution of the load in order to make the greatest advance for the effort expended by each individual. No organizational plan, however, assures effective operation. Progress depends on each group head, each chairman of a committee and subcommittee, and on the individual members themselves.

It is hoped each committee member will consider it not only an obligation but also a privilege to contribute as much as possible to the overall program.

Other plans also were introduced for improving communications between the state society and its members. Within a few months you should see tangible evidence of these plans at work.

In the meantime your suggestions for improvement of our Society and our profession are solicited.

What about the future of ISPE? It depends on you!

CONTENTS OF THIS ISSUE

President's Message	1
73rd Annual Meeting	2
74th Board of Direction Meets	3
New By-Laws	5
Office Secretary Appointed	5
Contributions to 73rd Annual Meeting	5
Convention Personalities	6
Ladies' Program at Convention	9
Midwest Computer Tour	11
Items of Personal Interest	11
Forthcoming Meetings	12

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73rd ANNUAL MEETING

The Central Illinois Section was host April 11-12, for the 73rd Annual Meeting of the Illinois Society of Professional Engineers at the Hotel Orlando in Decatur. It was acclaimed as the largest and best convention ever held in Illinois. Some 333 men and 160 women were registered. Reportedly more important State Society business was transacted at this meeting than at any in recent history.

The local press was pleased and surprised to learn that there was news of both local, state and national interest. The NSPE committee on Improved Professional Activities added a distinguished note to the ISPE convention by meeting with NSPE President Garvin Dyer in Decatur on April 12. This committee is composed of NSPE past presidents Bob Rhinehart, Sid Stolte, Alex VanPraag and Al Neff, Chairman. Morris Hooven, past president of the American Institute of Electrical Engineers is also a member. The committee has been studying the AIEE or Coover plan for professional unity and, especially, alteration of the registration requirement for NSPE membership.

President Andrew W. Neureuther presided over the Board of Direction Meeting, Thursday morning on April 10. Those who did not attend this meeting had their choice of field trips to Caterpillar Tractor Co., A. E. Staley Mfg. Co., or the Marvel Schebler Division of Borg Warner.

Convention Chairman John Castle presided over the Thursday luncheon meeting. After Mayor Clarence Sablotny welcomed the conventioners to Decatur, the address was given by Allen Van Wyck, President of Illinois Power Co. He said that the future of the world hinges on the speedy development of low cost electricity from atomic energy. Van Wyck said, "Fuels such as gas, oil, and coal are being used at an ever increasing rate and these fuels should be conserved for production of synthetics. The estimated time of 10 to 15 years to make the cost of producing electrical energy from nuclear energy can change overnight if research finds a way to convert heat energy from fusion directly into electricity." Mr. Van Wyck related how private power companies are joining together to build the largest privately owned nuclear power plant in the United States. He stated that if private utilities did not assume these responsibilities, they would be faced with extinction due to government control.

The afternoon speaker was Allison C. Neff, Vice-President, Armco Drainage & Metal Products, Inc. Mr. Neff, who has been president of NSPE, spoke on "Professional Unity." He discussed the AIEE plan for professional unity and the viewpoints of the various engineering societies. Neff stated, "Engineers need a more powerful representation in legislative matters, but most engineering societies do not take an active stand for fear of losing their tax-exempt status. Representing the engineers' viewpoint is a natural role for NSPE to have, but at present they represent only a fraction of the engineers."

The functional section meetings for industry, private practice, surveyors, education, and highways were held during the remainder of the afternoon of April 10.

A Get-Acquainted Cocktail Party donated by friends of NSPE was enjoyed immensely by all, before a smorgasborg dinner. A packed ballroom enjoyed the entertainment provided by the SPEBSQSA chorus and the Kounter Kords.

Friday morning, President Neureuther presided over the Annual Meeting. Past President Royce E. Johnson presented President-elect Frank Edwards and Vice President-elect Donald Magowan. The annual reports were presented by the officers and committee chairmen. By standing vote of 85 to 14 the by-laws of ISPE were amended. Principal changes affect organization and operation of committees.

Frank Edwards presided over the President's Luncheon and introduced Garvin H. Dyer, President of NSPE, who spoke on "Professional Engineering." He said that engineers should speak up on the importance of a firm foundation in mathematics for high school students. He stated, "A young student is in no position to make a wise selection of courses which may very well open or close doors to him for the rest of his life. We in engineering are in a position to know something of the consequences and can see where such a course will lead in dangers, technical progress and military security."

Alex Van Praag, Jr., past-president of NSPE, presided over the afternoon session. The first speaker was R. I. Harrison, Regional Engineer, U. S. Bureau of Public Roads, who spoke on the Federal highway program. He said that the road building program will get into high gear this summer and that 3.7 billion dollars of construction contracts will be in force this year. This program will employ 120,000 workers on job sites and another 135,000 to produce equipment and materials. Harrison outlined the features of the interstate and federal aid programs. He said that engineering problems have been solved by use of electronic computers, photo aids, and by hiring consulting engineering firms.

G. E. McCallum, Chief, Water Supply and Water Pollution Control, U. S. Department of Health, Education and Welfare spoke on "The Federal Pollution Control Program for Water Quality Conservation." He said that our explosive population growth, tremendous industrial expansion and commercial use of nuclear energy has caused a transition in the pollution control program from waterborne diseases to non-living contaminants. "The primary emphasis," he said, "has shifted from water quantity management to water quality management. We are to have enough water in the future we must reuse our relatively fixed supply over and over again."

Dr. G. W. Swenson, Jr. Associate Professor of Electrical Engineering and Astronomy, University of Illinois described the earth satellites and how a tracking post was hastily set up when the Russians launched Sputnik I.

(Continued on page 9)

74th BOARD OF DIRECTORS MEETS

If not a record then a near record for attendance was alked-up for the first meeting of the 74th Board of Directors at the Hotel Orlando in Decatur, April 12. All officers, all national directors, the chairman of the Illinois Engineering Council, representatives and chapter presentatives from 15 of the 16 chapters were present. DuKane chapter had the distinction of seating a second chapter representative for the first time as a result of attaining a total corporate membership of 101.

Unprecedented actions

Unprecedented actions during this first Board meeting include:

- a. Authorization for Executive Committee to retain a new Executive Secretary.
- b. Authorization for Executive Committee to relocate the headquarters. Adoption of resolution signifying Springfield as the favored location.

- c. Approval of substantial increases in expenditures reflecting estimated increase in income and anticipated greater activities.
- d. Approval of schedule for meetings of Executive Committee and Board of Direction for entire year. Increased number of meetings were included.
- e. Approval of report from newly appointed Publications Committee outlining proposed development of the ILLINOIS ENGINEER.
- f. Approval of bylaws amendments, after favorable report from newly appointed Constitution and Bylaws Committee, authorized the previous day by the members at the annual meeting. Authorization for distribution to the membership of proposed new Constitution and Bylaws.
- g. Announced a goal of 2000 new members for 1958-1959.

(Continued on page 4)



Back Row: M. Dean Wurth, Central Illinois; C. Dale Greffe, Champaign County; John W. Crenshaw, Peoria; Arthur J. Feickert, St. Clair; Gordon Carlson, Champaign County; William S. Gray, Joliet; John Housiaux, Central Illinois; John Dolio, Chicago; Arthur C. Kessell, Leverne D. Hudson, Capital.

Middle Row: Harold F. Sommerschield, Chicago; Francis E. Sexton, Illinois Valley; P. J. D. Voorhees, Madison County; Willard G. Flagg, Madison County; Roger Ericson, Rockford; Clifford E. Missman, West Central; Newton T. Alvis, Amherst; Robert H. Renwick, Rock River; Richard S. Thornton, DuKane.

Front Row: Melvin Amstutz, National Director; James Patrick Murphy, Secretary-Treasurer; Donald S. Magowan, Vice President; Frank Edwards, President; Andrew W. Neureuther, Past President; Cecil J. McLean, National Director; Robert A. Brown, National Director.

74TH BOARD OF DIRECTORS MEETS (Cont'd)

Executive Secretary

The procedure being followed for selection of a new executive secretary was outlined to the Board. Services of personnel consultants have been made available without cost to the Society to help select qualified candidates for the position. A tentative offer to one candidate was pending at the time of the Board meeting. The Board authorized the Executive Committee to proceed with retention of an Executive Secretary.

Location of Headquarters

The Board referred the matter of headquarters location to the Executive Committee with authority to act in establishing the location. A resolution was passed by the Board favoring Springfield as the location for Society headquarters.

Balanced Budget Approved

A record budget was adopted for the calendar year 1958. The interim budget of \$22,000 approved by the Board in January 1958 was increased to \$25,500. A budget study was presented to the Board which estimated income of more than \$26,500 thus assuring a balanced budget for the year. Additional amounts for salaries, for the *ILLINOIS ENGINEER*, for executive secretary travel and other items were included in the revised budget to reflect anticipated greater activity of the Society particularly in professional matters.

Four Committees Report

The Executive Committee reported the schedule for meetings of the Executive Committee and Board of Direction for the 1958-59 period as follows:

April 12, 1958—Board of Direction, Decatur
 May 10, 1958—Executive Committee, Springfield
 June 7, 1958—Board of Direction, Peoria
 July 19, 1958—Executive Committee, LaSalle
 August 9, 1958—Executive Committee, Bloomington
 September 6, 1958—Board of Direction, Allerton
 October 4, 1958—Executive Committee, Peoria
 November 1, 1958—Board of Direction, Springfield
 December 6, 1958—Executive Committee, Chicago
 January 10, 1959—Board of Direction, Urbana
 February 7, 1959—Executive Committee, Decatur
 March 7, 1959—Board of Education, Peoria
 April 4, 1959—Executive Committee, Springfield

The newly appointed Constitution and Bylaws Committee also presented a report which included a draft of proposed changes in these documents. By motion these were immediately referred back to the Constitution and Bylaws Committee for further review with instructions to incorporate Bylaws amendments which were approved at the annual meeting on April 11, 1958. The proposed Constitution and Bylaws will be submitted to the entire membership for information and comment before final

editing and presenting them for adoption in accordance with requirements of the present constitution. This committee also reported the Bylaw changes approved during the annual meeting the previous day had been reviewed and the committee recommended adoption by the Board. Motion to adopt the amended Bylaws was passed and are now effective.

The Membership Committee reported on aims for the coming year and announced a goal of 2,000 new members for the year. Every member should bring in one new member within the next few months. A plan for enrolling EIT members immediately after passing the EIT examination also was presented. The Membership Committee was instructed to prepare a detailed report of costs for implementation of an EIT recruiting program for presentation at the next Board meeting scheduled for June 1.

Assistants to the President Named

Before considering the above items the Board started work by approving appointments of Leverne D. Hudson and Clifford E. Missman as assistants to the President who by this action also became members of the Executive Committee.

Chairmen of committees were approved subject to their acceptance.

Functional Section Authorized

An industry functional section was authorized during this first Board meeting. Functional sections authorized to date include: Engineers in Private Practice, Highways, and Industry.

National Directors Instructed

The ISPE National Directors were instructed to support at the National Board level the proposition that consulting engineers be permitted to furnish engineering supervisory service on highway construction. At the present time resident engineering services by private consultants are prohibited when federal funds are involved.

National Directors also were instructed to study the results of answers to questionnaires submitted by ISPE chapters on the AIEE plan for organization of the engineering profession. Consensus of these answers should be used for guidance of ISPE National Directors during the NSPE annual meeting in St. Louis in June.

Special Committees

In addition to the standing committees and administrative committees specifically listed in the amended Bylaws, two special committees were appointed. A policy research committee was assigned the task of listing important subjects on which policy statements by the Society are needed. After developing a set of policy statements on the subjects listed, these will be given thorough consideration by all segments of ISPE before submitting them for adoption and publication.

The U.S.G.S. Mapping Committee was continued recommended in the annual report of this committee.

NEW BY-LAWS

In January the Central Illinois Chapter conducted a survey, asking each chapter for its ideas for improving the operations of ISPE. Using this operations survey as a guide, the Chapter from Decatur prepared amendments to the by-laws. These were reviewed by the officers-elect. At its last meeting on April 10, the Board of Direction, which governed the Society for its 73rd year, approved the amendments and recommended that they be presented to the annual meeting.

The ISPE By-laws can be amended either by a two-thirds vote of corporate members at the annual meeting or with a majority by letter ballot. On April 11, during the conclusion of the morning business meeting, the amendments were adopted subject to review by the Constitution and By-laws Committee and approval by the new board. The Constitution and By-laws Committee recommended to the new Board on Saturday that the amendments be adopted. This recommendation was approved and the by-laws became effective immediately.

The new by-laws reorganize standing committees into three groups which follow a structure similar to that used by NSPE. Employing an administrative procedure adopted by ISPE three years ago, the vice-president and two assistant presidents coordinate the activities under each group. Outline of duties, as provided in the by-laws, should prove helpful to committee chairmen and members.

Inclusion of an outline of duties of the executive secretary in the new by-laws is another step towards definition of activities of the Society.

The Central Illinois Chapter operations survey indicated support for modifying the annual chapter meeting dates. "Some time in the spring" was designated as the preferred time for the chapter annual meeting. If chapters will adopt annual meeting dates in March or in the early part of April, actions taken at their meetings can be presented to the State annual meeting in May and, if desirable, to the National meeting in June. This provides, therefore, a means for quick action from grass roots level.

These by-laws in effect outline the reasons for existence of our professional society. Further study of by-laws and also of the constitution is underway. In the meantime changes already made provide a sound basis for operation.

Mike Magliola has recently accepted the position of Highway Design Engineer with the consulting firm of John F. Meissner Company, Inc., 300 West Washington. Mike is Chairman of Chicago Chapter's Committee on Employment Practices for Engineers Employed in Private Practice. Congratulations, Mike, on your new position and best wishes for lots of success. Mike will continue to commute from 958 West 129th Place in Chicago.

OFFICE SECRETARY APPOINTED

Appointment of Mrs. W. D. Watt as office secretary became effective May 1.

She was formerly employed by Sangamo Electric Company as secretary to the assistant manager, Electronics Components Sales, and previously had been associated with Jenkins, Merchant & Nankivil, Consulting Engineers, for eight years. Prior to her work with that organization, she was employed in the State Division of Reports for eight years. She was a member of Governor Adlai Stevenson's staff during his 1952 Presidential campaign. From 1946 to 1952, she was a commercial instructor for evening classes at Brown's Business College in Springfield.

Mrs. Watt, or Mary, is a native Missourian and attended Central Missouri State Teachers College at Warrensburg. She is a member of Westminster Presbyterian Church. Mary is also a member of the Business and Professional Women's Club and will take office in June as president of that organization. She is active in work of the Sangamon County Chapter of the National Foundation for Infantile Paralysis, having been Secretary for the past year.

She is the mother of three children—a son who will receive his B.S. in Mechanical Engineering from Illinois Institute of Technology in June of this year; a daughter, now a junior at Springfield High School; and another son who is in the ninth grade at Lawrence Junior High. She lives with her husband at 2604 Lowell Avenue, Springfield.

CONTRIBUTORS TO 73RD ANNUAL MEETING

Contributors whose financial assistance was a big factor in the success of the 73rd Annual Meeting were:

Brown and Brown, Lima, Ohio
 Pacific Flush Tank Co., Chicago, Illinois
 Walker Process Equipment Co., Aurora, Illinois
 Illinois Power Co., Decatur, Illinois
 Grigoleit Company, Decatur, Illinois
 J. L. Simmons Co., Inc., Decatur, Illinois
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 American Vitrified Tile Co., Chicago, Illinois

Thank you for making our meeting a huge success!

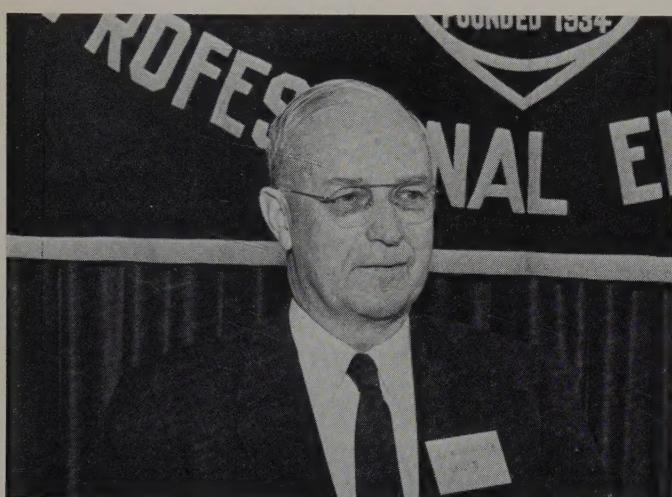
Convention Personalities



Mrs. Andrew W. Neureuther, general chairman of Ladies' Activities Committee, receiving roses as token of appreciation from Gilbert D. Henning, Central Illinois Chapter president, and co-chairman of men's committees.



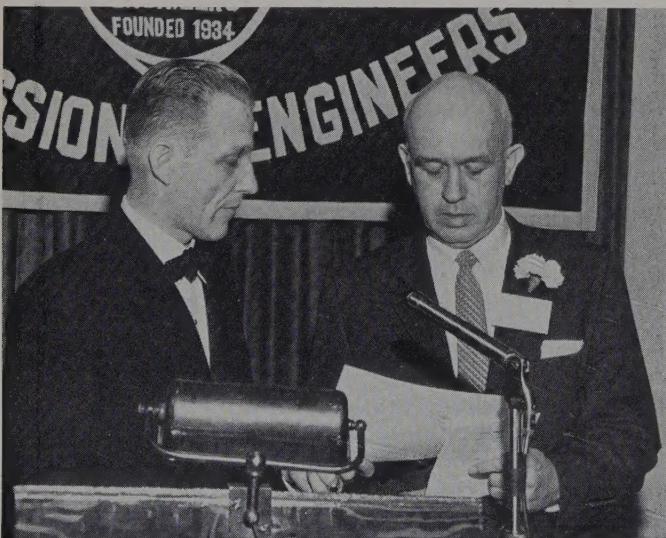
Dr. Robert O. Harvey, professor of business administration, University of Illinois, entertaining audience at 73rd Annual Banquet with talk on "Inflation, Deflation and Flation."



R. H. Harrison, Regional Engineer, U. S. Bureau of Public Roads, as he addressed Friday afternoon session on the "Federal Highway Program."



Art Feickert and Ray Brickler, St. Clair Chapter, enjoying lunch Friday April 11.



Doug Spicer presenting Illinois Award to C. K. Willet, legislator and professional engineer.



Allen Van Wyck, president of Illinois Power Co., addressing Thursday luncheon guests on atomic power in Illinois.



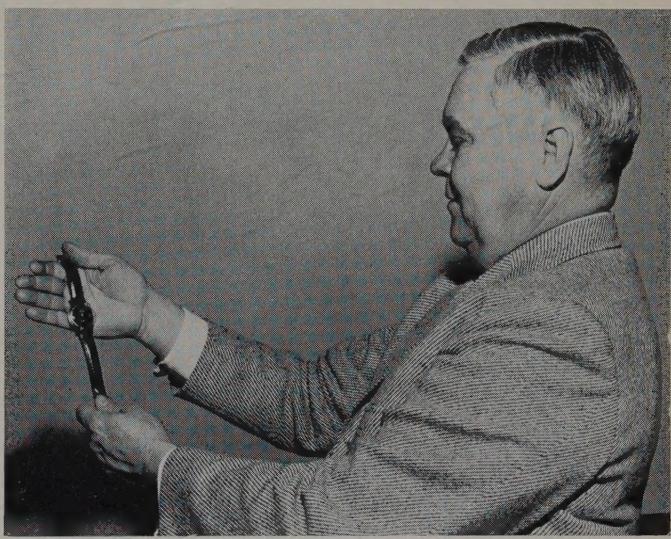
Dr. Ellis Danner (left), professor of highways at the University of Illinois, and Melvin E. Amstutz, highway engineer for Lake County, talking highways at 73rd Annual meeting.



NSPE President Garvin Dyer, and NSPE Past-President Alex Van Praag, Jr., and Allison Neff, talking of unity of the engineering profession, with "Andy" Neureuther.



John Housioux (left) and "Gib" Henning, sneaking a preview of Dr. G. W. Swenson's paper, "The Earth Satellite Program." Dr. Swenson is associate professor of electrical engineering and astronomy at the University of Illinois.



P. E. "Skeet" Roberts as he accepted electric wrist watch at the ISPE banquet April 11. The watch was presented in recognition of 10 years of service. It was from ISPE friends throughout the state.



Mayor Sablotny, of Decatur, welcoming delegates to annual ISPE convention.



John R. Castle (left), general chairman of Annual Meeting, with NSPE President Garvin Dyer, Alex Van Praag, and "Gib" Henning, president of Central Illinois Chapter.

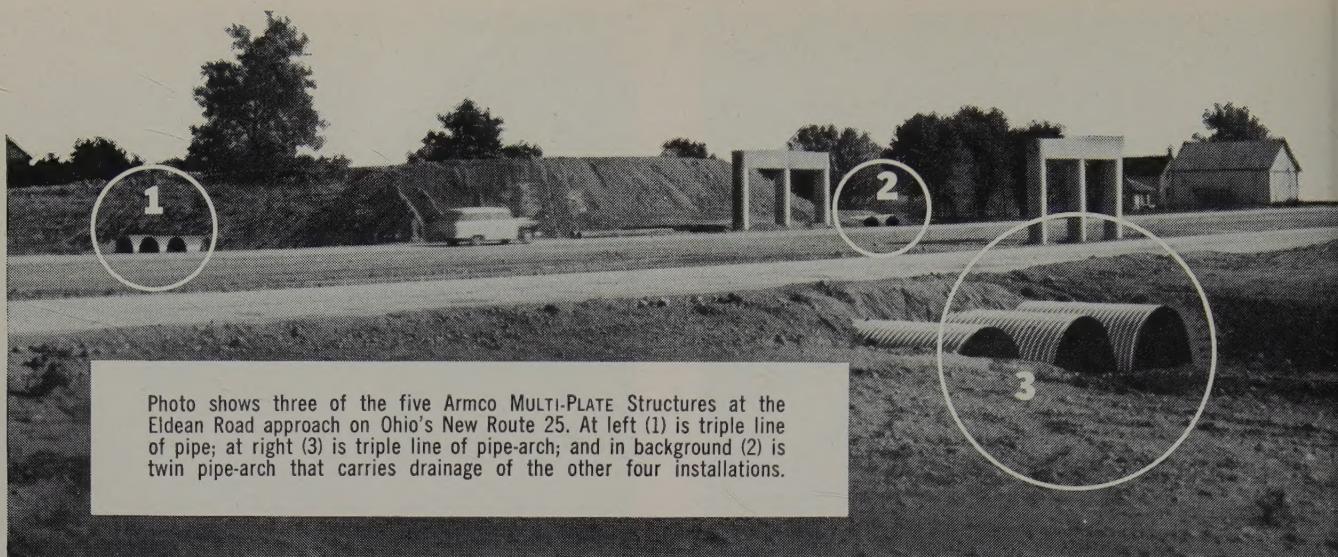
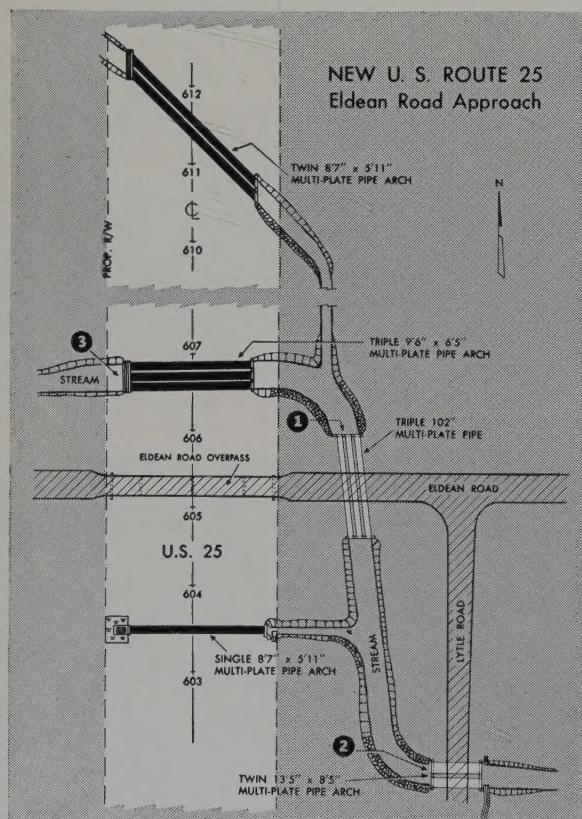


Photo shows three of the five Armco MULTI-PLATE Structures at the Eldean Road approach on Ohio's New Route 25. At left (1) is triple line of pipe; at right (3) is triple line of pipe-arch; and in background (2) is twin pipe-arch that carries drainage of the other four installations.

How Armco MULTI-PLATE helped solve complex drainage problem on Ohio's first super freeway



Now under construction, Ohio's first super freeway will be new Route 25, connecting Cincinnati and Toledo. Many Armco drainage and construction products are being installed on this highway.

One of the more interesting projects is north of Troy, where the Eldean Road is being relocated to pass over new Route 25. Here, two ravines drain across the freeway site, then join and intersect the Eldean Road. South of the overpass site another ravine crosses. All three waterways then merge and go under another secondary road. To solve this drainage problem, a total of eleven lines of Armco MULTI-PLATE® Pipe or Pipe-Arch were used in five locations. (Map shows details.)

All design work and supervision of construction on the Route 25 project is handled by the Ohio Department of Highways.

Armco MULTI-PLATE Pipe and Pipe-Arch are two of the many Armco drainage and construction products used on major expressways as well as secondary roads all over the country. For complete information on these products, write us.

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ANGUS L. PURDY—Division Engineer
Ohio Department of Highways

JAMES L. ANDREWS—Project Engineer
Ohio Department of Highways



**ARMCO
CONSTRUCTION
PRODUCTS**

73RD ANNUAL MEETING (Cont'd)

At the Friday evening banquet, Dr. Robert O. Harvey, professor of Business Administration, University of Illinois, gave a sparkling talk, well sprinkled with humor. He described the business outlook and said that the recession had been magnified for political purposes. Total employment is down two per cent from last year. The reason that national unemployment now averages seven per cent is due to the increase in the labor force. Major adjustments are taking place in durable goods, and he believed that unemployment has leveled off. Dr. Harvey predicted that the gross national product will be between \$30 and \$440 billion this year. By comparison last year it was \$435 billion, and in 1956 the gross national product was \$415 billion. Following the banquet there was dancing to Bob Kuzan's orchestra.

On Saturday, the board of direction for ISPE's 74th year held its first meeting under the direction of President Frank W. Edwards.

Bob Renwick of the Rock River Chapter and **Francis Weston** of the Illinois Valley Chapter have formed a partnership for the practice of engineering. Bob has been Special Projects Engineer for C. K. Willet Consulting Engineers in Dixon. They will maintain offices at 112 Main Street in Ottawa where Francis has had his own firm offering engineering and surveying service. Both Bob and Francis have a civil engineering background.

LADIES' PROGRAM AT CONVENTION

The ladies enjoyed a full program of activities while the 73rd ISPE meeting was being held. Mrs. Howard Fukuds, a native of Hawaii was hostess for the opening coffee hour and greeted them with Aloha Thursday morning.

A luncheon followed at the South Side Country Club with Mrs. T. S. Abernathy in charge. Mrs. Ruth Adams of the Millikin faculty presented a program on traveling tips.

During the afternoon, the ladies toured the 2.7 million dollar MacArthur High School, and then they joined their husbands for a cocktail hour and buffet dinner.

Mrs. Richard E. Reeves was Mistress of Ceremony Friday morning and introduced Mrs. Rozetta Alk of Chicago. Mrs. Alk presented a mono-dramatization of Wynward Brown's play, "A Question of Fact."

After a sight-seeing trip through the Home Mfg. Co. and the Picture Craft Co., the ladies attended the President's Tea in the home of Mr. & Mrs. Alex Van Praag, Jr.

The ladies concluded their program by joining their husbands for the cocktail hour and dinner dance, Friday evening.

In prayer it is better to have a heart without words than words without a heart.—BUNYAN.

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You cannot possibly have any ill-temper, or show any unkind behaviour to a man for whose welfare you are so much concerned, as to be his advocate with God in private . . . For you cannot possibly despise and ridicule that man whom your private prayers recommend to the love and favour of God.—W.M. LAW.

Silence promotes the presence of God, prevents many harsh and proud words, and suppresses many dangers in the way of ridiculing or harshly judging our neighbor . . . If you are faithful in keeping silence when it is not necessary to speak, God will preserve you from evil when it is right for you to talk.—FENELON.

MIDWEST COMPUTER TOUR

In unscheduled inspection trip which attracted some the Decatur meeting was a visit to the Midwest Computer Service, Inc. offices.

The electronic computer center has been organized on operative basis by seven Illinois consultants engaged civil engineering, all with offices within 100 miles of Decatur. Each firm has guaranteed to use the Bendix 5D electronic digital computer so that funds are assured for office rental and salaries of the small programming staff as well as for rental (about \$1500 per month) the computer. The fast yet uncertain rate of computer design and development makes rental the common means of acquiring an electronic computer, which costs about \$10,000.

At the present, only the consulting firms will be able to offer the computer service. As programs are developed and "debugged," and as operating routines are scheduled, nearby industries will be given the opportunity to use the service.

President of Midwest Computer Service, Inc. is E. M. Astain, partner of Homer L. Chastain and Associates of Decatur. Another Decatur firm which holds stock in the center is Warren and Van Praag, Inc. Other member firms are Clark, Daily and Dietz, Urbana; Crawford, Murphy and Tilly, Springfield; Hurst-Dosche, Inc., Illinoisboro; Jenkins, Merchant and Nankivil, Springfield; and Rochester and Goodell Engineers, Inc., Salem.

We never become truly spiritual by sitting down and hoping to become so. You must undertake something great that you cannot accomplish it unaided.

—PHILLIPS BROOKS

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Items of Personal Interest

Anthony S. Zummer has opened his own patent attorney office in Suite 1165 of the Chicago Board of Trade Building at 141 West Jackson Blvd.

Tony came to Chicago from the District of Columbia and became a registered professional engineer in 1955 and a member of ISPE the following year. After working with the patent attorney firm of Mann, Brown & McWilliams, he joined Olson & Trexler. He has been admitted to practice in the Illinois and Federal Courts, the U. S. Patent Office and the District of Columbia. His experience includes three years as Patent Attorney for General Motors Corporation.

Tony received his engineering education at Purdue University, graduating with a BSME degree in 1950. He received his Bachelor of Law degree from George Washington University in 1956. A member of the American Society of Mechanical Engineers and the Chicago Engineers Club, he has been active in the Chicago Chapter of ISPE serving as representative to the State Board of Direction in 1957 when he filled out the unexpired term of Al Graf. He is chairman of the Chicago Chapter's Ethics and Practice Committee and Board of Ethical Review.

There was a time when a fool and his money were soon parted. Now, it happens to everybody.—Link

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FORTHCOMING MEETINGS

ISPE

Board of Direction Meeting in Peoria on June 7

NSPE

Annual Meeting in St. Louis on June 12-14

St. Clair Chapter

The June meeting of the St. Clair Chapter will be on Tuesday, the 17th. Walter H. Weimer, chief engineer for coal mining with the Midland Electric Coal Corp., of Farmington, and Philip Bauer, project and design engineer in the Organic Division of the Monsanto Chemical Company, are co-sponsoring this meeting. They have arranged a field trip to the Sinclair Coal Company at Freeburg and with a barbecue following.

Joliet Chapter

A steak fry is to be the outing activity according to a recent poll at a Joliet Chapter meeting. The night is June 25; the place, Hammel Woods.

The Joliet Chapter has active committees on Civic Affairs, Ethics and Practice, and Fees and Salaries, to name a few.

Chicago West Suburban Discussion

An ISPE Chapter to serve suburbs west of Chicago will be the subject of an open discussion at a meeting on Tuesday, May 27, at Frieden's Hinsdale restaurant.

Sparking the round-table WHY, HOW, AND WHERE discussion will be State Vice President DONALD MAGOWAN. "Mac," who holds the distinction of having been president of three ISPE Chapters (but who has no ambitions of becoming president of a fourth), is District Engineer for the Illinois Division of Highways at Elgin. BILL FREEMAN, DALE HAMMOND, BOB HUNTER, and RALPH MICHAEL are sending out announcements to members and to non-member registered engineers living in Chicago western suburbs; but invitations are open to all.

The organization meeting will give everyone a chance to air their "gripes." The complaint often heard is "Why battle traffic into Chicago's Loop, arriving late for a meeting, and then have to come all the way out we again?"

In commenting on arrangements at Frieden's, Hunt remarked, "We'll have a good dinner for less than \$3.00 and the bar is reasonable. Dinner will start at 6:30 P.M. You can reach Frieden's from 55th Street, turning at Madison Avenue."

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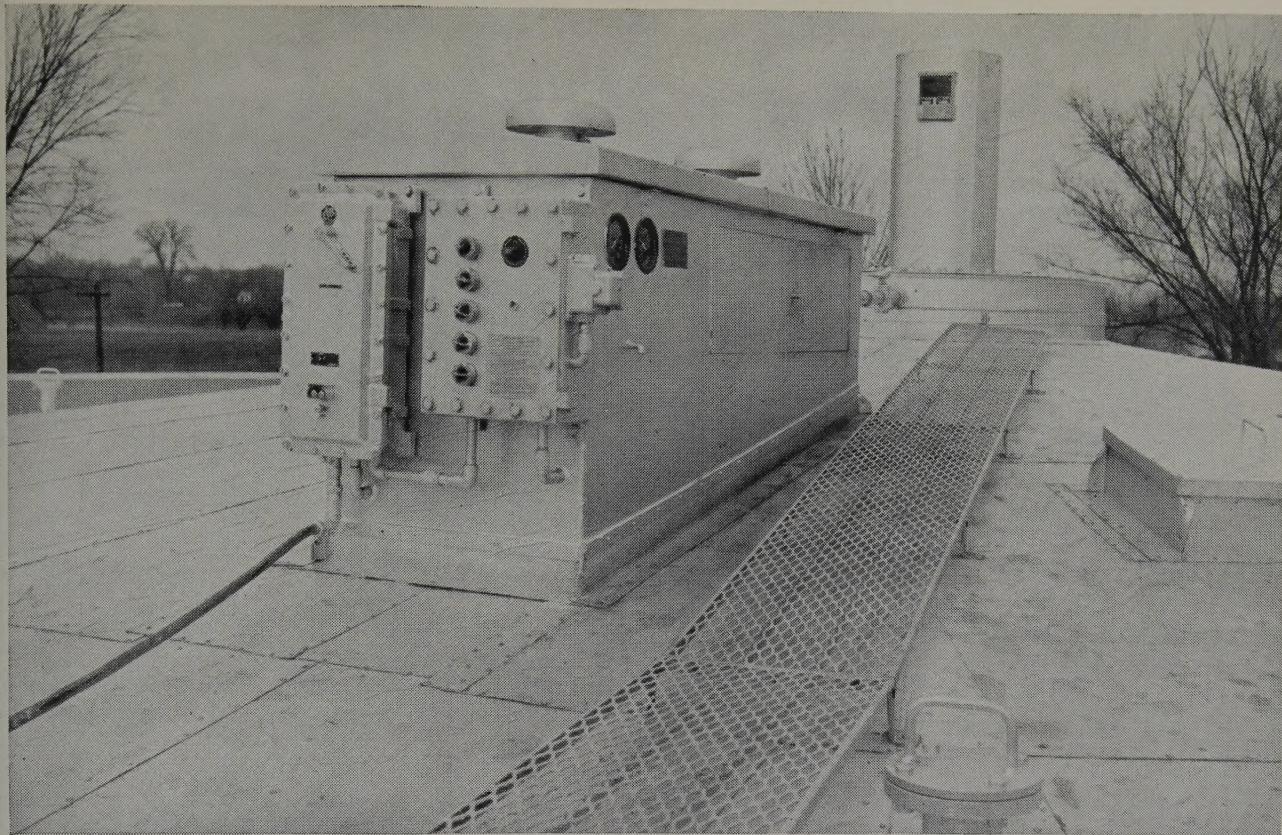
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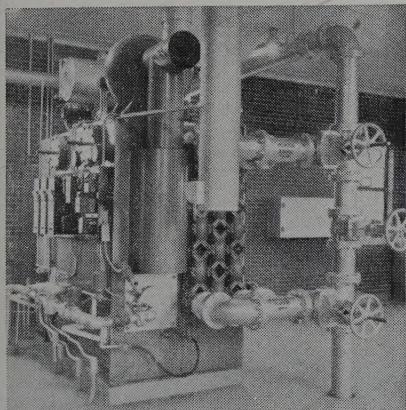
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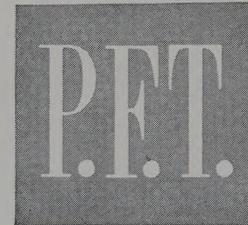
The P.F.T. equipment furnished for the most recent expansion is a new digestion system which includes: a 70' P.F.T. Floating Cover with prefabricated aluminum roofing; the P.F.T.-Pearth gas recirculation system and Model 750 Digestion Heater and Heat Exchanger shown; plus a complete new system of gas piping with P.F.T. gas safety equipment.

The P.F.T.-Pearth gas recirculation system includes a gas compressor rated to deliver 150 cfm at 10 psi powered with a 10 hp motor. Controls are provided to automatically discharge to each of 4 peripheral discharge wells in sequence.

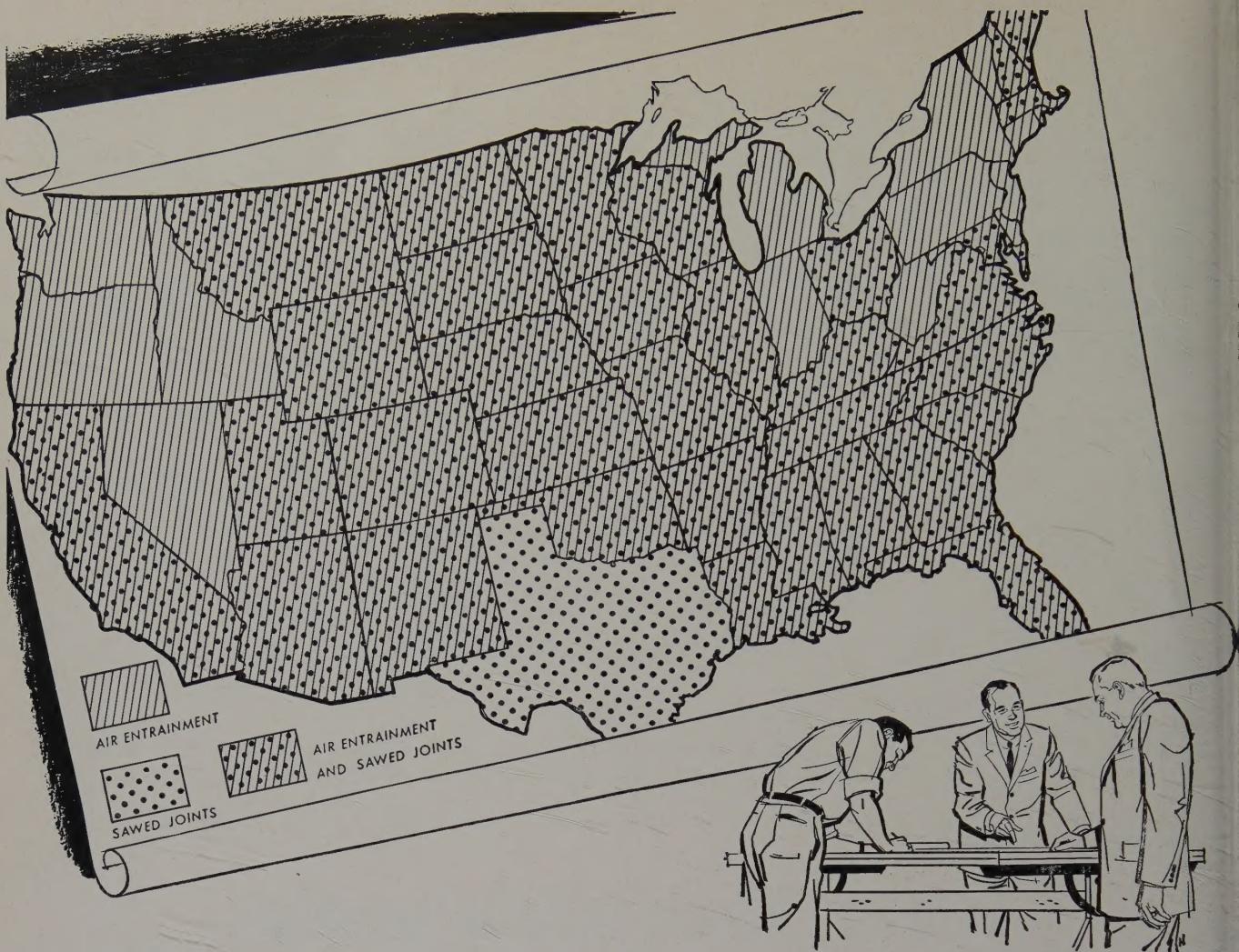
The wells are equally spaced around the cover extending to a depth of approximately 10 feet below the liquid level in the tank. The compressor and low and high pressure bypass controls are mounted on the floating cover in an insulated housing.

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